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No. 9] NEW DELHI, SATURDAY, FEBRUARY 27, 1988 (PHALGUNA 8, 1909)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिबूचनाएं और नोटिस  
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477 GI/87

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APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE 184/4, ACHARYA JAGADISH BOSE ROAD,

## CALCUTTA-20

The dates shown in the verscent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

19th January, 1988

- 45/Cal/88. Siemens Aktiengesellschaft. Apparatus for the generation of flue-gas for driving a gas turbine.
- 46/Cal/88. Degussa Aktiengesellschaft. A novel method of vulcanisation. [Divisional dated 15th October, 1985].

The 20th January, 1988

- 47/Cal/88. Nauchno-Issledovatel'sky Tsentr Po Tekhnologii Lazeram Akademii Nauk SSSR. Medium for gas laser excited by ionizing particles.
- 48/Cal/88. J. P. Gupta and J. Sahay. Low cost tubular hand maize sheller.

The 21st January, 1988

- 49/Cal/88. Herbert Strassheimer. Blow molded plastic container and preform therefor.
- 50/Cal/88. The Babcock & Wilcox Company. Safety system for coal pulverizers. [Divisional dated 27th June, 1984].
- 51/Cal/88. Affival. Composite product with a tubular casing for treating molten metal baths.
- 52/Cal/88. (1) Jury Alexeevich Spiridonov; (2) Vladimir Ivanovich Khandogin; (3) Anatoly Ivanovich Ivanov-Tsyganov. Power-control device for the magnetron of microwave oven.
- 53/Cal/88. Arco Chemical Company. Non-digestible fat substitutes of low-caloric value.

The 25th January, 1988

- 54/Cal/88. The Jacobs Manufacturing Company. Method of producing an internal combustion engine with improved retarding system. [Divisional dated 18th April, 1984].
- 55/Cal/88. The Randall Corporation. Hydrocarbon processing to recover propane and heavier hydrocarbons.

The 27th January, 1988

- 56/Cal/88. Paul Couwenbergs. Filter assembly for filtering contaminated liquids.
- 57/Cal/88. Ranjit Chaliha. An apparatus for measurement of the moisture content of a sample of particulate materials.
- 58/Cal/88. Gewerkschaft Schalker Eisenhütte Maschinenfabrik GmbH. A method for the dry-cooling of coke.
- 59/Cal/88. Ajit Raj Singh Bhagat. Improvements in or relating to geodesic domes.

APPLICATIONS FOR PATENT FILED AT THE PATENT  
OFFICE BRANCH, MUNICIPAL MARKET BUILDING,  
THIRD FLOOR, KAROL BAGH, NEW DELHI-110005

The 14th December, 1987

- 1066/Del/87. Associated Electronics Research Foundation. "Component-Insertion System RFCIS-1 (Research Foundation Component Insertion System)".
- 1067/Del/87. Associated Electronics Research Foundation. Color TV Chasis RFCC-1 (Research Foundation color chassis)".
- 1068/Del/87. Associated Electronics Research Foundation. "20" Colour TV Economy Chassis-RFCC-2".
- 1069/Del/87. Associated Electronics Research Foundation. "Kurtosis meter model no. AERF/CM/8701".
- 1070/Del/87. UOP INC., "Layered Dehydrogenation Catalyst Particles".
- 1071/Del/87. Embart Industries, Inc., "Electronic locking system".
- 1072/Del/87. Schering Aktiengesellschaft. "Process for the preparation of compositions for defoliation of plants".
- 1073/Del/87. Mobile Oil Corporation. "Catalytic dewaxing process with high temperature sorbent bed".
- 1074/Del/87. Schering Aktiengesellschaft. "Process for the preparation of compositions for defoliation of plants".

The 15th December, 1987

- 1075/Del/87. Sukhmeet Singh Anand, "Collapsible containers".
- 1076/Del/87. Peter David Young. "Impregnant compositions for porous articles". (Convention date 16th December, 1986 and 2nd October, 1987) (U.K.).
- 1077/Del/87. Recytec S.A., "Process for the recycling of electrical batteries, assembled printed circuit boards and electronic components".
- 1078/Del/87. Vibrachoc, "A gas turbine exhaust device including a jet diffuser".
- 1079/Del/87. Institut Elektrosvarski Imeni E.O. Patona Akademii Nauk Ukrainskoi SSR and others. "Welding wire".

The 16th December, 1987

- 1080/Del/87. Council of Scientific and Industrial Research. "A process for the synthesis of 2, 7-DI-V-(4-Fluorobenzyl Propyl)-1-2, 3, 4, 6, 6a, 7, 11b, 12, 12a-Decahydropyrazino (2'-1': 6 Pyrido) (3, 4-b) Indole useful as potential CNS Depressant Agents".
- 1081/Del/87. Council of Scientific and Industrial Research. "A moulding device for preparing spherical segment mirrors using mirror films bonded to fibre-glass reinforced plastic dishes".
- 1082/Del/87. Council of Scientific and Industrial Research. "Laboratory development of high flux membrane from the blend formulations for brackish water desalination by reverse osmosis".

The 16th December, 1987

- 1083/Del/87. Norsk Hydro A.S., "Means for producing nitrogen oxide".
- 1084/Del/87. Norsk Hydro A.S., "Material for treatment of Ammonia".
- 1085/Del/87. Bergwerksverband GmbH., "Coking system and reactors".

1086/Del/87. Bergwerksverband GmbH., "Coking system and reactor block".

1087/Del/87. PPG Industries, Inc., "Deposition of high temperature-resistant film and high transmittance article such as glass".

The 17th December, 1987

1088/Del/87. Council of Scientific and Industrial Research, "Automatic free fall hammer".

1089/Del/87. Council of Scientific and Industrial Research, "Mini climbing crane".

1090/Del/87. Council of Scientific and Industrial Research, "An improved process for the synthesis of ura".

1091/Del/87. Council of Scientific and Industrial Research, "A device for splitting bamboo".

1092/Del/87. Council of Scientific and Industrial Research, "A process for the preparation of solvent resistant high tinting strength copper phthalocyanin blue pigment".

1093/Del/87. Samsonite Corporation, "Improved garment bag".

1094/Del/87. Warner-Lambert Co., "Sequentially molded razor cap".

1095/Del/87. Warner-Lambert Company, "Razor display package".

1096/Del/87. Morton Thiokol Ltd., "Improved liquid polysulfide sheeting".

The 18th December, 1987

1097/Del/87. Council of Scientific and Industrial Research, "A process for the synthesis of Di-Methyl-2-substituted 1, 2, 3, 4, -tetrahydro-9H-pyrido (3, 4-B) indole-3-carboxylates useful as antiulcer agents".

1098/Del/87. Mahesh Kumar Khaitan, "Recovery".

1099/Del/87. SSMC Inc., "Blower speed control".

1100/Del/87. Ashutosh Sharma, "Forced quenching of the fluorescence and method for fluorimetric determination of the concentration of a substance in a sample".

1101/Del/87. Ashutosh Sharma, "A new compact and handy shaving set (method and apparatus)".

1102/Del/87. ESCO Corporation, "Method of making a duplex stainless steel and a duplex stainless steel product with improved mechanical properties".

1103/Del/87. The Standard Oil Company, "Stable ohmic contacts to thin films of P-type tellurium containing II-VI semiconductors".

The 21st December, 1987

1104/Del/87. PPG Industries, Inc., "Method and apparatus for shaping sheet material such as glass".

1105/Del/87. PPG Industries Inc., "Method and apparatus for bending and cooling sheet material such as glass".

1106/Del/87. Tai-Her Yong, "Clamping or pressing device". (Convention date 1st September, 1987) (U.K.).

The 22nd December, 1987

1107/Del/87. Council of Scientific and Industrial Research, "An improved process for insulating bricks from talc".

1108/Del/87. Council of Scientific and Industrial Research, "An improved process for manufacture of ceramic tiles".

1109/Del/87. Council of Scientific and Industrial Research, "A process for the preparation of a copolymer useful for improving the pour point & flowability properties of crude oil & lubricating oil".

1110/Del/87. Council of Scientific and Industrial Research, "A process for the preparation of bio insecticide repellent".

1111/Del/87. Council of Scientific and Industrial Research, "A process for the preparation of sprouting inductor".

1112/Del/87. Council of Scientific and Industrial Research, "A process for the preparation of fertilizer useful to increase phosphate availability in soil".

1113/Del/87. Council of Scientific and Industrial Research, "A process for the production of kerosene and diesel from naphtha".

1114/Del/87. Bharat Heavy Electricals Limited, "Coal nozzles for steam boilers or generators fired with coal dust burners". [Divisional date 15th April, 1985].

1115/Del/87. Seizo Iwai, "Telephone transmitter-receiver set capable of operating handset by wireless system".

1116/Del/87. The Goodyear Tire & Rubber Company, "Heavy Duty pneumatic tire".

1117/Del/87. Compagnie Bergougnan Benelux, "An elastically deformable sleeve for pumps".

1118/Del/87. Exxon Chemical Patents Inc., "Chemical compositions and their use as fuel additives".

(Convention date 22nd December, 1986) (U.K.).

The 23rd December, 1987

1119/Del/87. Council of Scientific and Industrial Research, "Improvements in or relating to the process for preparation of 3-aryloxy isorazole derivatives".

[Division date 11th April, 1986].

1120/Del/87. Albright & Wilson Limited, "Products for treat-surface". (Convention dates 23rd December 1986, 17th February, 1987 & 21st July, 1987) (U.K.).

1121/Del/87. Exxon Research and Engineering Company, "A distillate fuel composition and a process for preparing the same". (Convention date 22nd March, 1984, 10th August, 1984) (U.K.).

[Divisional date 14th March, 1985].

1122/Del/87. Rovcl S.A.R.L., "Apparatus for producing, filling and closing packs made from a continuous strip of especially heat-sealable material".

1123/Del/87. Kenrich Petrochemicals, Inc., "A polymeric composition and a process for preparing the same". [Divisional date 9th May, 1985].

1124/Del/87. The Lubrizol Corporation, "Gear lubricant composition".

1125/Del/87. Alcan International Limited, "Lubricant emulsion (Convention date 29th December, 1986) (U.K.).

ALTERATION OF DATE

161918. Antedated to 23rd December, 1982. (92/Cal/86)

161920. (454/Cal/87) Antedated to 26th July, 1985.

## COMPLETE SPECIFICATION ACCEPTED

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CLASS : 181; 195-D &amp; G.

161911

Int. Cl. F 16 k 1/00, 3/00, 21/00, 31/00.

## BUTTERFLY VALVES.

Applicant : "NEYRPIC", OF 75 RUE DU GENERAL MANGIN FR-38100 GRENOBLE, FRANCE.

Inventor : 1. RENE GARBEROGLIO.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 claims

Butterfly valve of which the disc (1) comprises an operative seal (3) cooperating with a seat (4) of the body (2) of this valve, whilst said body comprises a second seal (7) or back-up seal, placed upstream so that this seal may be applied against the disc when the operative seal (3) is to be replaced,

characterized in that the flange of the back-up seal (7), which is in known manner associated with a torus, is disposed longitudinally with respect to the latter in order that, in the body of the valve, it is retained axially with respect to the disc for its torus to be in free position remote from the disc, a mechanical device (12, 14) in ring form being provided to move in an annular groove in order to push the torus, in centripetal manner, jamming it against its seal (8) located on the disc, the withdrawal of said device (12, 14) allowing centrifugal retraction of said torus.

Compl. Specn. 7 pages.

Drg. 3 sheets.

CLASS : 53-E.

161912

Int. Cl. B 62 k 3/14.

## APPARATUS FOR ASSEMBLING A BICYCLE FRAME

Applicant : HUFFY CORPORATION, OF 7701 BYERS ROAD, MIAMISBURG, OHIO, U.S.A.

Inventor : 1. ROBERT LEROY DIEKMAN.

Application No. 881/Cal/85 filed December 6, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 claims

An apparatus for assembling a bicycle frame comprising : a substantially flat base;

means for clamping a bottom bracket to said base, said clamping means defining a pivot axis oriented substantially perpendicularly to said base;

swing arm means attached to said base to pivot about said pivot axis;

means movable with said swing arm means for displacing a seat bracket assembly toward said pivot axis;

means mounted on said base for pivoting said swing arm means about said pivot axis;

carriage means displaceably mounted on said base for movement toward and away from said pivot axis and said swing arm;

means mounted on said carriage means for engaging and holding a head tube at a predetermined position on said carriage means; and

means mounted on said base for displacing said carriage means toward said pivot axis.

Compl. Specn. 21 pages.

Drg. 7 sheets.

CLASS : 92-C.

161913

Int. Cl. B 02 b 3/08.

## IMPROVEMENTS IN OR RELATING TO RICE HULLING MACHINES.

Applicant & Inventor : MADAN MOHAN PARUI, OF 71A, NETAJI SUBHASH ROAD, 1ST FLOOR, ROOM NO. B-18, CALCUTTA-700001, STATE OF WEST BENGAL, INDIA.

Application No. 882/Cal/85 filed December 6, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 claims

An improved rice huller machine comprising a base, a ball bearing frame having ball bearing blocks mounted thereon, a cover, a driving pulley, a fly wheel and an iron hopper wherein within the said cover is placed a cylindrical shaft or shell and underneath the said cylindrical shaft or shell is placed a screen which rests on the ball bearing frame supports, such that, when the cylindrical shaft or shell is rotated the screen having the tendency to rotate along with the cylindrical shaft or shell is made stationary by means of screen holders screwed to the ball bearing

frame, characterized in that the said cylindrical shaft or shell is made of two halves and is assembled together on a rod or shaft and held in position by means of collars screwed from the sides.

Compl. Specn. 7 pages.

Drg. 3 sheets.

CLASS : 32-F<sub>2</sub> b; 55-E<sub>4</sub>.

161914

Int. Cl. A 61 k 23.00, 27.00; C 07 d 57/40.

#### METHOD FOR PRODUCING 6-THIOXANTHINE COMPOUNDS.

Applicant : EUROCELTIQUE, S.A., OF 122 BOULEVARD DE LA PETRUSSE, LUXEMBOURG.

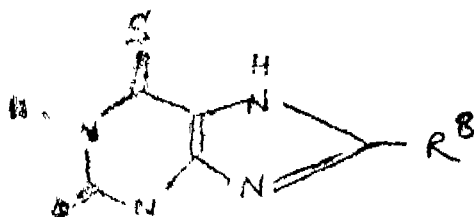
Inventor : I. PETER HOFFER.

Application No. 906/Cal/85 filed December 18, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

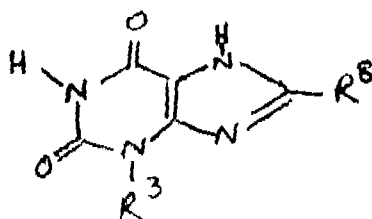
4 claims

A method for producing a 6-thioxanthine compound of formula I of the accompanying drawings



wherein R<sup>A</sup> is ethyl, n-propyl or n-butyl, and

R<sup>A</sup> is hydrogen, methyl or ethyl, the method comprising reacting in the presence of a solvent a compound of formula II



Formula II

wherein R<sup>A</sup> and R<sup>B</sup> are as defined above, with phosphorus pentasulfide.

Compl. Specn. 10 pages.

Drg. 1 sheet.

CLASS : 69-0.

161915

Int. Cl. G 05 g 1/00.

#### A CONTACT CARRIER FOR KEYBOARDS

Applicant : SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. REINHOLD HEISS, 2. RUDOLF WACHTLER.

Application No. 936/Cal/85 filed December 30, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 claims

A rectangular contact carrier for keyboards comprising contact areas which are assigned to the individual keys and which comprise contact paths arranged opposite to one another and separated from one another by an air gap, said contact paths being arranged in the contact areas parallel to one another and diagonally with respect to an edge of said contact carrier.

Compl. Specn. 6 pages.

Drg. 1 sheet.

CLASS : 65-B<sub>2</sub>.

161916

Int. Cl. H 01 f 39.00.

#### ELECTRICAL INDUCTIVE APPARATUS

Applicant : WESTING HOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTRE, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : I. PAIME ERNESTO SIMAN.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 claims

Electrical inductive apparatus, comprising a tank having a bottom portion, a magnetic core containing amorphous metal, said magnetic core having winding leg and yoke portions which define a window, means consolidating said magnetic core to make it self-supporting, said magnetic core being disposed in said tank with the longitudinal axes of said winding leg portions vertically oriented with respect to the bottom portion of the tank, a flangeless, electrically insulative winding tube disposed about a winding leg portion, said flangeless winding tube being constructed of members which are assembled about the winding leg and fixed to one another to form a protective box about the winding leg which withstands inwardly directed radial forces without introducing stresses into said magnetic core, the members of said flangeless winding tube having only first and second different extrudable profiles cuttable to length according to predetermined dimensions of said magnetic core, and an electrical winding disposed about and fixed to said flangeless winding tube, so that said flangeless winding tube and tank cooperatively supporting the weight of said electrical winding to prevent the weight of said electrical winding from introducing mechanical strains into said magnetic core.

Compl. Specn. 16 pages.

Drg. 4 sheets.

CLASS : 85-C; 108-C<sub>3</sub>.

161917

Int. Cl. C 21 b 7/00; F 27 d 3/14, 3/15.

#### BLAST FURNACE CAST HOUSE RUNNER SYSTEM

Applicant : METALLURGICAL & ENGINEERING CONSULTANTS (INDIA) LIMITED, RANCHI-834 002, BIHAR, INDIA.

Inventors : 1. SHANTI RAM DAS, 2. BADRI NARAYAN SINGH.

Application No. 86/Cal/86 filed February 7, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 claims

A blast furnace cast house runner system comprising a main hot metal runner in the form of an elongated refractory-lined metal trough through which hot metal and slag tapped at intervals from blast furnace is allowed to flow for separation of metal and slag, said main runner having provided therewith slag runner with slag dam, and metal discharge

outlet at the far end from the blast furnace side, characterised in that the overall cross-section of the main runner is maintained more compared to that of the hitherto known ones, that the slag dam of the slag runner is shifted away from the main runner through a distance which is more compared to what is maintained in the hitherto known ones, and that the slag runner is provided with negative bottom slope.

Compl. Specn. 12 pages.

Drg. 3 sheets.

CLASS : 40-B.

161918

Int. Cl. B 01 j 14/00.

PROCESS FOR PREPARING COMPONENTS OF HIGH CATALYSTS FOR THE POLYMERIZATION OF ETHYLENE AND MIXTURES THEREOF WITH ALPHA.

### OLEFINS

Applicant : MONTEDISON S.p.A., OF 31, FORO BUONAPARTE, MILAN, ITALY.

Inventors : 1. ILLARO CUFFIANI, 2. PAOLO LONGI, 3. UMBERTO ZUCCHINI, 4. GIANNI PENNINI.

Application No. 92/Cal/86 filed February 10, 1986.

Divisional of Application No. 1484/Cal/82 dated 23rd December, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 3 claims

Process for preparing high-yield component of catalysts for polymerization of ethylene and mixtures of ethylene with olefins capable of giving polymers having controlled morphology characteristics characterized in that the following ingredients are mixed to form an emulsion or dispersion :

(a) an inert liquid substance as herein described of a gaseous inert phase of a liquid substance as herein described with

(b) a liquid phase which is immiscible with aliphatic hydrocarbons, said liquid phase comprising a magnesium compound as a precursor of the catalyst component as herein described; and thereafter.

the emulsion or dispersion so obtained is treated with a compound of Ti, V, Zr or Cr, and optionally with compounds selected from Al-alkyl compounds preferably in the presence of an olefin, or from a halogenated silicon compound of an alkyl-hydopolysiloxane, and the electron-donor compounds as herein described.

Compl. Specn. 36 pages.

Drg. Nil.

CLASS : 47-C.

161919

Int. Cl. C 10 b 21/00 27/00.

### COKE OVEN FOUL GAS OFFTAKE SYSTEM

Applicant : METALLURGICAL & ENGINEERING CONSULTANTS (INDIA) LIMITED, AT DORANDA, RANCHI-8340002, BIHAR, INDIA.

Inventors : 1. GOPALAN NAIR VENUGOPAL,

2. POTALA PALLI KRISHNA RAO,

3. SHRIKANT SHRIRAM JALTARE,

4. PRANABENDU MUKHERJEE.

Application No. 109/Cal 86 filed February 12, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 11 Claims

A coke oven foul gas off-take system comprising an ascension pipe in communication with the coke oven proper and having a lid provided on top thereof, said lid being adapted to be opened for releasing the coke oven foul gas, evolved in the process of carbonisation to atmosphere, a gas collecting main to receive and collect the foul gas therein before being allowed to be released, a goose neck/bend connecting the ascension pipe with the said gas collecting main through an isolation valve, which valve is adapted to isolate the coke oven proper in the event of the gas collected in the gas collecting main being released through the ascension pipe, characterised in that hydraulic seals are provided (i) in between the said lid and the top edge of the said ascension pipe and (ii) at the joint between the said goose neck/bend and the said isolation valve.

Compl. Specn. 15 pages.

Drg. 3 sheets.

CLASS : 55-E4.

161920.

Int. Cl. A 61 x 27/00.

PROCESS FOR THE PREPARATION OF GASTRO-INTESTINAL COMPOSITIONS.

Applicant & Inventor : DR. UPENDRA K. BANIK, OF 4435 KING STREET, PIERREFONDS, QUEBEC, CANADA, H9H 2G2.

Application No. 454/Cal/87 filed June 10, 1987.

Convention date 10th August 1984 (460794) Canada.

Divisional of Application No. 552/Cal/85 dated 26th July, 1985.

Complete specification left on 26th July 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 2 Claims

A process for preparing a gastrointestinal composition which consists of the following steps :

(a) maintaining plantago husks in an atmosphere of ethylene oxide at 10—35°C for 6—12 hours, removing the ethylene oxide, and obtaining plantago husks having acceptably low levels of bacterial contamination;

(b) mixing 100 parts by weight of said last-named husks with 1.01 to 42.8 parts by weight of pectin, roasting the resulting mixture at 120—180°C for 0.5 to 2 hours, cooling the resulting roasted mixture, and obtaining the corresponding gastrointestinal composition containing from 99 to 70 percent by weight of plantago and from 1 to 30 percent by weight of pectin.

Compl. Specn. 25 pages.

Drg. Nil.

CLASS : 55-E4.

161921.

Int. Cl. : A 61 k 27/00.

PROCESS FOR THE PREPARATION OF GASTROINTESTINAL COMPOSITIONS.

Applicant & Inventor : DR. UPENDRA K. BANIK, OF 4435 KING STREET, PIERREFONDS, QUEBEC, CANADA, H9H 2G2.

Application No 552/Cal/85 filed July 26, 1985.

Convention dated 10th August, 1984 (460794) Canada.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims

A process for preparing a gastrointestinal composition which consists of the following steps :

- (a) maintaining plantago husks in an atmosphere of ethylene oxide at 10—35°C for 6—12 hours, removing the ethylene oxide, and obtaining plantago husks having acceptably low levels of bacterial contamination;
- (b) roasting said last-named husks at 120—180°C for 0.5 to 2 hours, cooling said husks to ambient temperature and obtaining roasted husks;
- (c) mixing 100 parts by weight of said roasted husks with 1.01 to 42.8 parts by weight of pectin, grinding the mixture, and obtaining the corresponding gastrointestinal composition containing from 99m to 70 percent by weight of plantago and from 1 to 30 percent by weight of pectin.

Compl. Specn. 25 pages.

Drg. Nil.

CLASS: 206-A.

161922.

Int. Cl. : H 01 q 21/22.

APPARATUS FOR MAINTAINING THE ORIENTATION OF AN ANTENNA SYSTEM WITH RESPECT TO A BEACON.

Applicant : HOLLANDSE SIGNAALAPPARATEN B. V., ZUIDELIJKE HAVENWEG 40, 7550-GD HENGELLO, THE NETHERLANDS.

Inventors : 1. BRILMAN ALBERT. 2. HARBERS HERMANUS GERHARDUS JOHANNES MARIA.

Application No. 616/Cal/85 filed August 26, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 claims

Apparatus maintaining the orientation of an antenna system with respect to a beacon provided with a monopulse cluster for receiving radio signals in four quadrants and converting said signals into some different signals  $E_x$ ,  $E_y$  and  $\Delta x$ ,  $\Delta y$  respectively, and with transforming means for transforming the sum and difference signals to the intermediate frequency amplifying and phase detecting said sum and difference signals to derive the error voltages  $f \Delta x$ ,  $f \Delta y$  from the then obtained signals to align the antenna system with a position determined by the beacon characterised in that switching means are incorporated for passing the sum and difference signals received from the monopulse cluster separately to said transforming means in predetermined time intervals  $T \approx x$ ,  $T \Delta x$ ,  $T \approx y$ ,  $T \Delta y$  during a tracking mode of the apparatus, that said transforming means comprises one intermediate frequency amplifier and, connected thereto, a first and a second channel for supplying the error voltages  $f \Delta x$  and  $f \Delta y$  in time intervals  $T \Delta x$  and  $T \Delta y$ , respectively, said first channel including a first phase detector and said second channel a second phase detector, that the apparatus further comprises : a voltage-controlled oscillator for supplying two mutually ortho-

gonal signals to serve as reference voltage for said phase detectors, which voltage-controlled oscillator is driven in the tracking mode by a signal derived from the signals obtained in the first channel in time interval  $T \approx y$  and in the second channel in time interval  $T \approx x$ ; and a first gain control circuit for adjusting in the tracking mode, in response to the signals obtained in the first and the second channels in time intervals  $T \approx x$  and  $T \approx y$ , respectively, the gain of the intermediate frequency amplifier in such a way that the output voltage of the first phase detector in time intervals  $T \approx x$ ,  $T \Delta x$  and that of the second phase detector in time intervals  $T \approx y$ ,  $T \Delta y$  are kept constant.

Compl. Specn. 15 pages. Drg. 2 sheets.

Class. 128-K.

161923

Int. Cl. A 61 b 17/00.

## DEVICE FOR OPHTHALMOSURGERY.

Applicant : MOSKOVSKY NAUCHNO-ISSLEDOVATELSKY INSTITUT MIKROKHIRURGII GLAZA, OF BESKUDNIKOVSKY BULVAR, 59A MOSCOW, USSR.

Inventors 1. SYVATOSLAV NIKOLAEVICH FEDOROV, 2. SERGEI ANATOLIEVICH SOLOVIEV, 3. EVGENY IVANOVICH DEGTEV, 4. ALBINA IVANOVNA IVASHINA, 5. ALESANDR ALEXANDROVICH KARAVAEV.

Application No. 641/Cal/85 filed September 10, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1977) Patent Office, Calcutta.

## 5 claims

A device for ophthalmosurgery, comprising a holder, a cutting tool made fast on the holder, and at least one cam adapted to interact with the corneal surface for the device to thrust thereon during surgery, said cam being mounted on the holder rotatably in a plane situated lengthwise the cutting tool and featuring its contour so shaped as to suit the profile of the incision to be made.

Compl. Specn. 7 pages.

Drg. 1 sheet.

CLASS: 203.

161924.

Int. Cl. : C 22 & 1/00.

APPARATUS FOR DRAWING DENDRITIC SILICON WEB FROM SILICON MELT.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTRE, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : 1. WILLIAM CLYDE HIGGINBOTHAM.

Application No. 679/Cal/85 filed September 25, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims.

An apparatus for drawing dendritic silicon web from a silicon melt and comprising an elongated quartz crucible means having a closed bottom portion and side members extending upwardly therefrom with the top portion of said crucible means being at least partially open quartz barrier means laterally disposed within said crucible means to define therein silicon melt replenishment section means and a separate dendritic web drawing section, heating means to heat the bottom and side portions of said crucible means to melt silicon therein and to retain a predetermined level of said silicon in the molten state in said web drawing section of crucible means, means for drawing dendritic silicon web at a predetermined rate from the molten surface of said silicon contained within the web drawing section of said crucible means, and silicon replenishment means for adding unmelted silicon at a predetermined rate to said silicon melt replenishment section means of said crucible means characterised in that said quartz barrier means have a predetermined configuration comprising bottom edge means and lateral edge means and top edge means, the bottom edge means of said quartz barrier means sealingly engaging the bottom of said crucible means, portions of the lateral edge means of said quartz barrier means sealingly engaging the side members of said crucible means, and the top edge means of said barrier means extending above the level of molten silicon adapted to be contained in said crucible means aperture means consisting of cut-out sections provided in the lateral edge means of said barrier means to form apertures of predetermined dimensions with portions of the side walls of said crucible means, said aperture means positioned at a predetermined distance above the bottom of said crucible means to cause silicon which is first melted proximate the bottom and side portions of said crucible means to pool at the heated bottom portion of said silicon replenishment section means of said crucible means and to prevent said silicon from passing directly upon melting into the dendritic web drawing section until a predetermined pool depth is reached, said aperture means also positioned at a predetermined distance beneath the predetermined level of molten silicon in said melt replenishment section of said crucible means to prevent unmelted silicon supported upon the molten silicon from passing from said silicon melt replenishment section means of said crucible means; and the dimensions of said aperture means in said barrier means being sufficient to pass at least an adequate flow of melted silicon into said web drawing section, and the positioning of said aperture means in said barrier means adjacent the side portions of said crucible means causing the molten silicon to pass into said web drawing section proximate the heated walls of said crucible means to insure that said silicon is at an adequate temperature to draw silicon dendritic web.

Compl. Specn. 12 pages.

Drg. 4 sheets.

CLASS: 68C

161925.

Int. Cl.: H 04 r 17/00.

## A TRANSDUCER PLATE FOR PIEZOELECTRIC TRANSDUCERS.

Applicant: SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventor: 1. FRWIN MARTIN.

Application No. 681/Cal/85 filed September 25, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

A transducer plate for a piezoelectric transducer, comprising a carrier plate and with at least one piezoceramic body which is fixed to the carrier plate by means of an adhesive layer and is provided on both sides with electrodes, the electrodes being contacted by means of electrically conductive

wires or strips, at least that electrode which faces away from the carrier plate, and the contacting wire or strip which is connected thereto at its attachment region being covered by a protective layer.

Compl. Specn. 6 pages.

Drg. 1 sheet.

CLASS: 190-C.

161926.

Int. Cl.: F 02 c 7/00.

## THERMAL POWER-GENERATING PLANT.

Applicant: KRAFTWERK UNION AKTIENGESELLSCHAFT, OF 433 MULHEIM (RUHR), WEISENSTR. 35, FEDERAL REPUBLIC OF GERMANY.

Inventor: 1. HERMANN BRUCKNER, 2. WINFRIED GANZER.

Application No. 682/Cal/85 filed September 25, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

A thermal power-generating plant which comprises :  
a gasturbine;

a heat recovery device arranged to operate with a vaporisable heat transfer medium and having an input coupled with the gas turbine in order to recover waste heat from the exhaust gas of the turbine and an output for delivering the heat transfer medium after heating of the latter to vapour form in the heat recovery device;

an energy transducer having an input coupled with the output of the heat recovery device and an output for discharging said medium after use in the energy transducer;

a condenser having an input coupled with the output of the energy transducer and an output coupled with a container for condensed medium;

an exhaust gas heat exchanger arranged in the heat recovery device;

a feed line and a return line for condensed medium coupled with the heat exchanger and extending in a closed loop with the heat exchanger and the container;

a by-pass line extending from the condenser to a connection with the feed line to the heat exchanger, thereby by-passing the condensate flow to the heat exchanger from the container;

a control valve arranged in said feed line, upstream of the connection of the by-pass line to the feed line, for controlling the flow of condensed medium from the container to the heat exchanger; and

a regulator arranged to regulate, to a predetermined desired value, the inlet temperature of the condensed medium which is supplied to the heat exchanger via the feed line, the regulator being coupled with the control valve and being operable to control the flow condensed medium from the container to said feed line in order to maintain the predetermined inlet temperature of the condensed medium to the heat exchanger.

Compl. Specn. 13 pages.

Drg. 1 sheet.



CLASS: 116-G.

161927.

Class. 68-E-1.

161929.

Int. Cl.: B 65 g 65/00.

Int. Cl. G 05 f 1/00.

## SUCTION DUCT FOR PADDLE FEEDERS FOR COAL.

## VOLTAGE REGULATING DEVICE FOR THE COLLECTING BAR OF A TRANSFORMER'S STATION.

Applicant: TATA-ROBINS-FRASER LIMITED, 11 STATION ROAD, BURMA MINES, JAMSHED PUR-831 007, BIHAR, INDIA.

Applicant: LICENTIA PATENT VERWALTUNGS-GMBH, of D-6000 FRANKFURT AM MAIN 70, THEODORSTERN-KAI 1, WEST GERMANY.

Inventor: J. BIPRODAS BANDOBAHDYAY.

Inventor: I. YORK ROGOWSKY.

Applicant No. 721/Cal/85 filed October 11, 1985.

Application No. 776/Cal/85 filed November 1, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

## 4 Claims.

A duct for collecting under suction, dust raised by a paddle feeder loading coal on a belt conveyor and confined by hoods, having a linear split or gap formed on its upper side and comprising lips of a resilient material fixed to the duct on the opposite sides or edges of the split, bearing against each other to seal the duct substantially air tight and adapted to be opened by the lower end of a chute moving along with the paddle feeder and connecting the duct to the said hoods, the lower end of the chute being oval shaped and is provided with tapered fins on its front and rear sides so that the opening made between the lips is completely covered by the chute with little or no gap left around it.

A voltage regulating device for the collecting bar of a transformer station with a voltage regulator, which asserts with its output signal the conductance of a reactance oscillator adjustable constantly over a limited adjusting range and other reactive power units connectable to the collecting bar over the switch with a nominal output, which is larger than the adjusting range of the adjustable reactance oscillator, wherein a stand-by regulating circuit (5, 6, 7, 8, 9) is provided, which influences the reference input (UREF) of the voltage regulator (1, 2) with an additional value ( $\Delta$  UREF) in such a way that the adjusted conductance (YTCR) for the constantly adjustable reactance oscillator remains within an asserted range and that one of the other reactance power units is switched on or off in case of the asserted limiting values (K1, K2) of the additional value ( $\Delta$  UREF) being reached.

Compl. Specn. 10 pages.

Drg. 3 sheets.

CLASS: 69-A.

161928.

Int. Cl. H 01 h 50/42.

## CIRCUIT BREAKERS.

Applicant: WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATESAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors: 1. CARL JOHN HEYNE, 2. NICHOLAS ALBERT TOMASIC, 3. JING-LIANG WU.

Application No. 760/Cal/85 filed October, 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Compl. Specn. 12 pages. Drg. 3 sheets.

## 6 Claims.

A circuit breaker comprising at least one pair of cooperating contact members, an operating mechanism operatively connected to one contact member of said pair and operable to move said one contact member between contact open and contact closed positions thereof, and trip means for causing the operating mechanism to effect movement of said one contact member to its contact open position in response to predetermined overcurrent conditions, characterized in that the other contact member (29) of said pair is free to move independently of said operating mechanism (27) and includes an actuating portion (83), and that the independently movable contact member (29) has associated therewith an actuator (33) operatively engageable with said actuating portion (83) and operable to effect movement of the independently movable contact member (28) into and from contact engagement with said one contact member (25) when the latter is in the contact closed position thereof.

Compl. : Specn. 12 pages. Drg. 2 sheets.

2—477GI87

CLASS: 33-D.

161930.

Int. Cl.: B 22 d 41/08, 41/10.

## SLIDING LOCK FOR THE EFFUSION OF METALLURGICAL CONTAINERS.

Applicant: STOPING AKTIENGESSELLSCHAFT, OF ZUGERSTRASSE 76A, CH 6340 BAAR, SWITZERLAND.

Inventor: I. WERNER KELLER.

Application No. 826/Cal/85 filed November 20, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims.

A sliding gate for the delivery of metallurgical containers, mainly steel ladles, with a chamber and a variable sliding frame carrying a sliding plate, which is supporting by tilting levers or similar levers saddled with spring system at a fixed base plate along its guide ways and tamped with bearings at one end with the purpose of coupling the sliding plate, wherein the tilting levers (18, 30) are arranged in the direction of guide ways (19, 31) or in the direction of shifting of the slide frame (12, 32) with tilting axis (22, 33) lying across to it together with the spring systems (17, 35) in the sliding lock chamber (6, 15).

Compl. Specn. 11 pages.

Drg. 2 sheets.

CLASS : 155-A &amp; F.

161931.

Int. Cl. : DO4H 1/00, 3/00, 5/00.

A PROCESS FOR THE MANUFACTURE OF REINFORCED FLEXIBLE FLAT PARTS SUCH AS TEXTILE MATERIAL AND A DEVICE THEREFOR

Applicant : KUFNER TEXTILWERKE GMBH. OF IRSENHÄUSER STRASSE 10-12, D-8000 MÜNCHEN 70, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. DR. JOSEF HEFELE.

Application No. 450/Cal/83 filed April 18, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

26 claims

A process for the manufacture of reinforced flexible flat material and in particular top cloths for articles of clothing or linings for such articles, by the screen-type printing of the back side of said flat parts with aqueous crosslinkable dispersion pastes using a photogravure process, their flocking and heat-hardening, characterized in that the material in the first process phase is

- (a) printed with a flock bonding crosslinkable dispersion paste;
- (b) the said dispersion paste is then electrostatically flocked;
- (c) thereafter the said material is prestabilized by subjecting to heat coagulation and/or by pre-drying and lastly in a further process phase;
- (d) is caused to undergo a condensation reaction under pressure; and
- (e) with at least substantial exclusion of incoming air at 90 to 175°C, preferably at 100 to 165°C, and preferably for 110 to 155°C.

Compl. Specn. 31 pages. Drgs. 4 sheets.

CLASS : 28-C; 108-C; 130-F.

161932

Int. Cl. F 23 1 7/00.

LANCE PIPE

Applicant : AIKOH CO. LTD., OF 1-30, IKENOHATA 2-CHOME, TAITO-KU, TOKYO, JAPAN.

Inventor : 1. MASARU TAKASHIMA.

Application No. 694/Cal/82 filed June 1, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 claim

A lance pipe for blasting oxygen into molten steel having an unshaped refractory coating layer (3) characterized in that said coating layer is in contact with a steel pipe (1) applied with a knurling nick (2).

Compl. Specn. 6 pages. Drg. 1 sheet.

CLASS : 136-E.

161933

Int. Cl. B 29 f 5/00.

A METHOD OF PREPARING AN IMPROVED RETROREFLECTIVE SHEETING.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, AT 3M CENTER, SAINT PAUL MINNESOTA 55144, UNITED STATES OF AMERICA

Inventors : 1. LOUIS CLEMENT BELISLE, 2. THOMAS ROY BORDEN, 3. RAYMOND EDWARD GRUNZINGER JR.

Application No. 1067/Cal/83 filed September 1, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 claims

A method for preparing embedded-lens retroreflective sheeting comprising the steps of :

- (a) applying a polymeric layer of an uncured homogeneous polymeric bead bond composition onto a carrier web;
- (b) presenting a mass of transparent microspheres against said layer of uncured bead bond;
- (c) heating at least the exterior stratum of said uncured bead bond layer to a temperature sufficient to soften said bead bond layer, but not so high as to thermoset said layer and applying sufficient pressure to said microspheres to partially embed a dense monolayer of said microspheres in said bead bond layer;
- (d) heating said bead bond layer to a temperature and for a period of time sufficient to thermoset said layer;
- (e) covering the monolayer of microspheres with a layer of transparent binder material having an exterior surface cupped around said microspheres to form a spacing layer; and
- (f) applying a specularly reflective layer to the cupped surface of the layer of transparent binder material;

characterized in that said bead bond composition comprises :

- (1) an isocyanate-functional polymeric compound which has a substantial portion of its free isocyanate groups masked by agents that can be removed by heating; and
- (2) a crosslinking agent.

Compl. Specn. 34 pages. Drg. 1 sheet.

CLASS : 157-A<sub>1</sub>.

161934

Int. Cl. E 01 b 7/00, 11/00.

WELDED RAILWAY CROSSING VEE AND METHOD OF FORMING THE SAME.

Applicant : THOS. WARD (RAILWAY ENGINEERS) LIMITED, OF MIDLAND FOUNDRY, OSMASTON STREET, SANDSACRE, NOTTINGHAM NG-10 5 AN, UNITED KINGDOM.

Inventors : 1. DONALD VERNON ADAMS, 2. KENNETH WILLIAM COMPTON, 3. HAN HAROLD BROWN.

Application No. 1469/Cal/83 filed November 30, 1983.

Convention date 1st December, 1982 (82 34214) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 claims

A welded railway crossing vee comprising a pair of rails which are arranged side-by-side so as to define a gap therebetween which extends longitudinally of the rails and throughout the height of the rails between the upper and lower surfaces thereof, a spacer plate arranged in said gap so as to define spaces above and below the upper and lower edges of the plate, weld material which is harder and more durable than the material of the rails and which fills the spaces to such an extent as to be substantially flush with the upper and lower surfaces of the rails, and a crossing nose formed at one end of the pair of rails by machining of the upper edges of the rails at said one end to such an extent that the wheel-engaging surface of the nose area is constituted solely by weld material.

Compl. Specn. 12 pages. Drgs. 4 sheets.

CLASS : 42-A.

161935

Int. Cl. A 24 d 1/06.

CIGARETTE FILTERS AND METHOD OF MANUFACTURING SAME.

Applicant : VYASKUMNY USTAV CHEMICKYCH VLAKEN, OF SVIT, CZECHOSLOVAKIA.

Inventors : 1. RUDOLF SIMO, 2. STEFAN BACULAK, 3. LUBOMIR KNOTEK, 4. JOZEF PECIAR, 5. IVAN

MITTERPACH, 6. JOZEF HUDAK, 7. JAN SIMO, 8. JAN BADURA, 9. VILIAM BESEDA, 10. FRANTISEK MIHALY, 11. ALEXANDER GREGOR, 12. JAN KLISKY.

Application No. 243/Cal/84 filed April 16, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 claims

A cigarette filter comprising a tow of composite polypropylene fibres having micro-fissures on their surfaces and micropores in their mass and comprising two different polypropylenes with different position of the centre of gravity of the individual components in a weight ratio of 1:3 to 3:1, the difference in LVI between the two polypropylenes being from 30 to 50 ml. g<sup>-1</sup> at least one of the polypropylenes containing from 5 to 20% by weight of a high molecular weight fraction having an LVI value of 400 to 450 ml. g<sup>-1</sup> and neither of the polypropylenes having an LVI of less than 60 ml. g<sup>-1</sup>; the fibres having from 5 to 7 crimps per 1 cm length and a fineness of from 5 to 7 dtex.

Compl. Specn. 12 pages. Drg. nil.

CLASS : 32-F<sub>1a</sub> e; 55-D<sub>2</sub>.

161936

Int. Cl. : C 07 c 39/06, 43/22.

A PROCESS FOR PREPARING A MONO-ALKYLETH-ER OF CATECHOL.

Applicant : UNION CARBIDE INDIA LIMITED, OF 1, MIDDLETON STREET, CALCUTTA, INDIA.

Inventors : 1. KAILASH CHANDRA SURANA, 2. JAYANT MAHADEO KANHERE, 3. KANJIRAMPARA SIVASANKARAN.

Application No. 261/Cal/84 filed April 21, 1984.

Complete Specn. left on 21st May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 8 Claims

A process for preparing a monoalkylether of catechol which comprises :

reacting preformed alkali catecholate with an alkylating agent such as herein described in a reaction medium consisting of mixture of hydrocarbon such as xylene and alkyl ether of ethylene glycol such as methyl or ethyl cellosolve at atmospheric pressure or at a moderate pressure of upto 5 kg/cm<sup>2</sup> and separating the alkali halide formed as a co-product by filtration and subjecting the bottom fractions of said alkylation reaction to the step of vacuum distillation and crystallisation to obtain the monoalkylether of catechol.

Provisional Specn. 7 pages.

Drg. 1 sheet.

Compl. Specn. 13 pages.

Drg. Nil.

CLASS : 12-C.

161937

Int. Cl. : C 21 d 1/76.

A PROCESS OF ANNEALING METAL CHARGES IN BATCH PROCESS INDUSTRIAL FURNACES.

Applicant & Inventor : PETER EBNER, BERGHAN 168, A-4060 LEONDING, AUSTRIA.

Application No. 464/Cal/84 filed June 29, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 12 Claims

A process of annealing metal charges such as steel product in a batch process industrial furnace, during a heating period and a succeeding cooking period, wherein a protective gas which consists of nitrogen that contains 0.5 to 0.7 vol.% hydrogen, is circulated through said furnace in contact with said charge during said heating and cooling periods,

the improvement residing in that the composition of said protective gas is changed as hereinbefore described, to decrease its specific gravity between the end of said heating period and the end of said cooling period due to a reduction in volume of said volume of the protective gas is caused by a contraction of said protective gas during said cooling period, wherein a make-up protective gas comprising hydrogen having a lower specific gravity than the protective gas circulated through said furnace during said heating period is admixed to said circulate protective gas during said cooling period at such a rate that said reduction in volume of said protective gas is compensated by decreasing cooling time and energy consumption to get the annealed product.

Compl. Specn. 9 pages.

Drg. 1 sheet.

CLASS : 56-D.

161938

Int. Cl. : B 01 d 1/00.

FALLING-FILM APPARATUS FOR THE EQUICURRENT EVAPORATION OF A SOLUTION.

Applicant : MONTEDISON S.p.A., OF 31, FORO BUONAPARTE, MILAN, ITALY.

Inventor : 1. GIORGIO PAGANI.

Application No. 493/Cal/84 filed July 10, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 4 Claims

A falling-film apparatus for the equicurrent evaporation of a solution, consisting of a tube-bundle heat-exchanger, in which exchanger the feed distributor let the solution fall onto the uppermost tube sheet and the pipes are jutting out of said uppermost sheet by means of inlet sleeves, supplied with tangential distribution slots, characterized in that :

(a) said sleeves are closed at their uppermost end, which makes the released vapors flow downwards (in equicurrent to the falling film);

(b) means are provided (outside the exchanging pipes) for the recycle of said released vapors from the bottom of the exchanger to a level higher than said uppermost end of the sleeves.

wherein said means are consisting of a recycle piping protruding over said uppermost sheet more than the jutting out of said sleeves, said piping being void of distribution slots—in the protruding portion—for a length equal at least to the height of said sleeves, wherein said piping is supplied with at least one opening (for the outlet of the recycled vapors), said opening being at a level higher than said uppermost end of the sleeves and anyhow higher than the heel of the liquid feed.

Compl. Specn. 10 pages.

Drg. 2 sheets.

CLASS : 14-B.

161939

Int. Cl. : H 01 m 1/00, 21/00.

IMPROVED ZINC CANS FOR DRY BATTERIES  
METHOD OF MANUFACTURING THE SAME, AND  
DRY BATTERIES MADE IMPROVED CANS.

Applicant : UNION CARBIDE INDIA LIMITED, OF 1, MIDDLETON STREET, CALCUTTA-700 071, WEST BENGAL, INDIA.

Inventors : SUBIMAL SARKAR, 2. MADAN KOHAN TANEJA.

Application No. 310/Cal/85 filed April 23, 1985.

Complete Specn. left on 21st April, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 11 Claims

A can made of zinc for dry batteries, characterised in that the thickness of the base of the can is upto 20 percent less compared to that of conventional cans, and that the interior surface of the said base is provided with ribs or the like formed thereon, while the exterior surface of the base is kept plain.

Compl. Specn. 14 pages.

Drg. 1 sheet.

Provisional Specn. 10 pages.

Drg. 4 sheets.

CLASS : 32-F<sub>2b</sub>.

161940

Int. Cl. : C 07 d 25/00.

A PROCESS FOR THE PREPARATION OF N-HYDROXYMETHYL-3-PHENOXY-1-AZETIDINECARBOXAMIDES

Applicant : A. H. ROBINS COMPANY, INCORPORATED, OF 1407 CUMMINGS DRIVE, RICHMOND, VIRGINIA 23220, UNITED STATES OF AMERICA.

Inventors : 1. GEORGE JOSEPH WRIGHT, 2. LINA CHEN TENG.

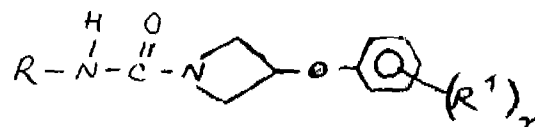
Application No. 310/Cal/87 filed April 21, 1987.

Divisional of Application No. 1066/Cal/83 dated 1st September, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 3 Claims

A process for the preparation of a compound selected from those having the formula I shown in the accompanying drawings wherein :



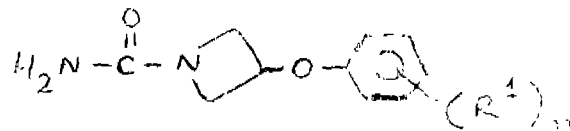
Formula I

R is hydroxymethyl;

R<sup>1</sup> is selected from the group consisting of hydrogen, fluoro, loweralkyl, loweralkoxy, trifluoromethyl, acetyl, N-formylcarboxamido or N-hydroxymethyl-carboxamido;

n is selected from 1 to 3 inclusive wherein R<sup>1</sup> may be the same or different;

which comprises reacting a compound having the Formula II shown in Fig. 1 of the drawings,



Formula II (Fig. 1)

wherein R<sup>1</sup> is selected from the group consisting of hydrogen, fluoro, loweralkyl, loweralkoxy, trifluoromethyl, acetyl, N-formylcarboxamido or N-hydroxymethyl-carboxamido.

n is selected from 1 to 3 inclusive wherein R<sup>1</sup> may be the same or different,

with warm formaldehyde solution, preferably at about 60° to 70°C and extracting the product with a solvent such as ether for purification.

Compl. Specn. 21 pages.

Drg. 1 sheet.

## OPPOSITION PROCEEDINGS

## (1)

An opposition has been entered by Supa—Parts Pvt. Ltd. to the grant of a patent on application No. 152017 made by Domestic Appliances as notified in the Gazette of India Part III, Sec. 2 dated 14th April, 1984 this application for Patent No. 152017 has been treated as withdrawn and Patent shall be sealed.

## (2)

An opposition has been entered by Lakhanpal National Ltd. to the grant of a Patent on application No. 153168 made by Union Carbide India Ltd. as notified on 19th January, 1985 has been dismissed and ordered that Patent application shall be sealed.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Patent Office, Calcutta and its branches at Bombay, Madras and New Delhi at two rupees per copy :—

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155767 155768 155769 155770 155771 155772 155773  
155774 155775 155776 155777 155778 155779 155780  
155781 155782 155783 155784 155785 155786 155787  
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155802 155803 155804 155805 155806 155807 155808  
155809 155810 155811 155812 155813 155814 155815  
155816 155817 155818.

## PATENTS SEALED

157259 157985 158038 158060 158105 158151 158175 158255  
158320 158326 158327 158328 158581 158604 158623 158624  
158719 158777 158778 158780 158811 158812 158813 158850  
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## RENEWAL FEES PAID

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159107

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 158688. Gujarat Narmada Auto Limited, a limited liability Company, incorporated under the Companies Act, 1956, having its Office at P.O. Narmada Nagar Bharuch 392015, Gujarat, India. "Autorickshaw". 18th August, 1987.

Class. 1. No. 158692. Peico Electronics and Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay 400018, Maharashtra, India, an Indian Company, a "Black and White Television". 19th August, 1987.

Class. 1. No. 158701. Peico Electronics & Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay 400018, Maharashtra, India, an Indian Company, a "Black and White Television". 20th August, 1987.

Class. 3. No. 158547. M. K. Electric Limited a British Company of Shrubbery Road, Edmonton, London, N9 OPB, England, "an Electric Socket". 17th July, 1987.

Class. 3. No. 158634. Harshad Sardesai and Satishchandra Soman both Indian Nationals of 2A Sushila Apartments, Nal Stop, Karve Road, District Pune, Maharashtra State, India. "Electrical Socket". 5th August, 1987.

Class. 3. No. 158670. Crystal Plastics & Metallizing Private Limited, a private limited company incorporated under the Laws of Indian Companies Act having its registered office at Sanghi House, Palkhi Galli, Off Veer Savarkar Marg, Prabhadevi, Bombay 400025, State of Maharashtra, India. "Comb". 12th August, 1987.

Class. 3. No. 158680. Aurelec Trust (A trust incorporated under the Indian Trust Act.), 24, RUE DUMAS, Pondicherry-605001 (INDIA). "HANG GLIDER". 14th August, 1987.

Class. 3. No. 158548. M. K. Electric Limited, a British Company, of Shrubbery Road, Edmonton, London, N9 OPB, England. "an Electric Socket". 17th July, 1987.

Class. 3. No. 158691. Peico Electronics and Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay 400018, Maharashtra, India, an Indian Company, a "Black and White Television". 19th August, 1987.

Class. 3. No. 158700. Peico Electronics & Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay 400018, Maharashtra, India, an Indian Company, a "Black and White Television". 20th August, 1987.

**Class. 3.** No. 158731. Peico Electronics & Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay 400018, Maharashtra, India, an Indian Company. a "Citrus Press". 24th August 1987.

**Class. 3.** No. 158747. Eagle Flask Private Limited, (an existing company under the Companies Act) at Eagle Estate Talegaon 410 507, District-Pune, State of Maharashtra, India. "Flask". 28th August, 1987.

**Class. 3.** No. 158748. Eagle Flask Private Limited (an existing company under the Companies Act) at Eagle Estate, Talegaon 410 507, District-Pune, Maharashtra, India. "Container". 28th August, 1987.

**Class. 3.** Nos. 158749, 158750. Eagle Flask Private Limited, (an existing company under the Companies Act) at Eagle Estate, Talegaon 410 507, District-Pune, Maharashtra, India. "ICE GUARD". 28th August, 1987.

**Class. 4.** No. 158467. The Mahalakshmi Glass Works Private Limited, Dr. E. Moses Road, Jacob Circle, Bombay 400011, Maharashtra, India, a private limited company incorporated under the Indian Companies Act. "Bottle". 26th June, 1987.

**Class. 10.** 158503. Vijay Industries, having its registered office at Swastik Industries Compound, Chin-choli Bunder Road, Off. S. V. Road, Malad, Bombay 400 064, Maharashtra, India, a registered Partnership firm. "Footwear". 7th July, 1987.

Extn. of Copyright for the Second period of five years

Nos. 150947, 152702, 152703, 152704, 152705, 152715,  
150412, 150413, 150414, 150106. 153706,  
153707, 153708. Class-1.

Nos. 152191, 157838, 157870, 157869, 150360, 151495,  
151736, 152293, 151735, 152450, 144183, 150487.

Class-3.

No. 150730.

Class-4.

No. 152811.

Class-12.

Extn. of Copyright for the Third Period of five years.

No. 148493.

Class-1.

Nos. 157868, 157870, 157869, 146335, 146212.

Class-3

No. 146062.

Class-4.

R. A. ACHARYA

Controller General of Patents, Designs and Trade Marks

SHANTI KUMAR

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